

IV. DESCRIPTION OF A NEW CHEIRODONTINE CHARACIN FROM RIO DE JANEIRO¹.

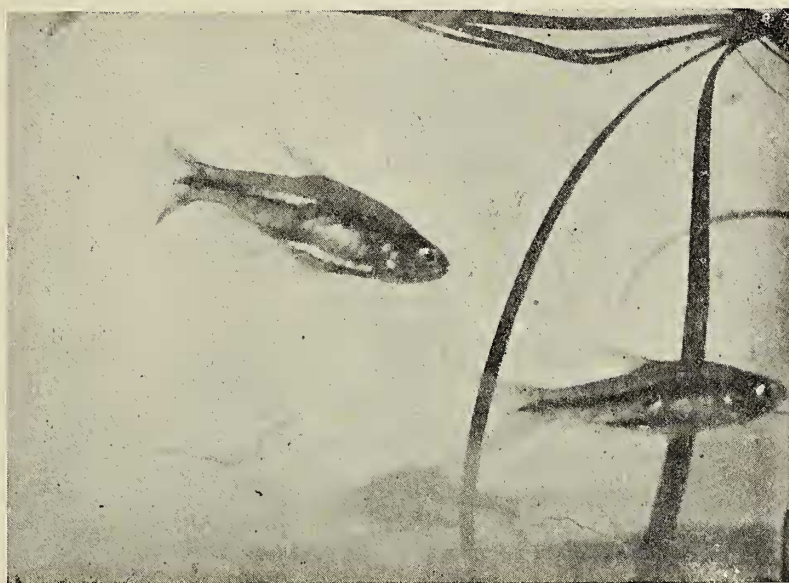
BY GEORGE S. MYERS.

(PLATE X.)

Spintherobolus broccæ sp. nov.

Similar in form to *S. papilliferus*, but differing in the long anal and the absence of papillary ridges on the head.

Dorsal 9 to 10; anal 16 to 17; lateral scales 32 to 33; transverse scales 10. Head 3.66 to 3.8 in length to caudal base. Depth 3 to 3.33. Eye 2.75 to 3 in head. Lateral line on three scales only. Anal and caudal naked. Predorsal area fully scaled, fourteen scales from occipital process to dorsal fin. Suborbitals and postorbitals extremely



Living *Spintherobolus broccæ* Myers in an aquarium.

Reprduced by courtesy of Dr. E. Bade.

feeble, soft. Teeth as in *S. papilliferus*, excepting that they are less evidently tricuspid. Even under powerful magnification, with the teeth removed and mounted in balsam, but a very faint notch can be seen on the side of each tooth. Upon casual examination the dentition would unhesitatingly be pronounced conical. Dorsal fin

¹ Contributions from the Zoölogical Laboratory of Indiana University, No. 207.

originating somewhat nearer caudal base than tip of snout. Anal originates under posterior part of dorsal base. Interhæmals normal.

Dull yellow-brown, the upper scales dark-edged. A faint humeral blotch and a dark line down the side, ending in a hastate caudal spot. In life there is a dark band down the side and a dark bar along the anal base and out on the posterior part of that fin. The male appears to have the fourth, fifth, and sixth anal rays somewhat enlarged.

Mr. Richard Dorn, President of The Aquarium Society of New York, who has obtained many interesting species from Rio de Janeiro, as living aquarium fishes, tells me that it is Mr. Rolf Brocca of that city who collects them. Mr. Dorn received a number of these little fishes early in 1924 and turned the six specimens listed over to me for identification.

No. 7979a C. M., Cat. of Fishes, one, *holotype*, 23.5 mm. to caudal base. Hills behind Rio de Janeiro. R. Brocca.

No. 7980a C. M., Cat. of Fishes, one, *paratype*, same locality. No. 56, author's collection, five *paratypes*.

The definition of *Spintherobolus* Eigenmann² must be altered to include the present fish. This species is externally extremely similar to *Hasemanianus bilineatus* Ellis³, even to the minutiae of coloration, but the double row of wide, multicuspid teeth of *Hasemanianus* are vastly different from those of *Spintherobolus*.

It is interesting to compare *S. broccæ* with *Phoxinopsis typicus* Regan⁴. Possibly the fishes are generically the same, although *S. broccæ* lacks the typical "Phoxinus" shape of *Phoxinopsis* and the maxillaries and fin positions are different.

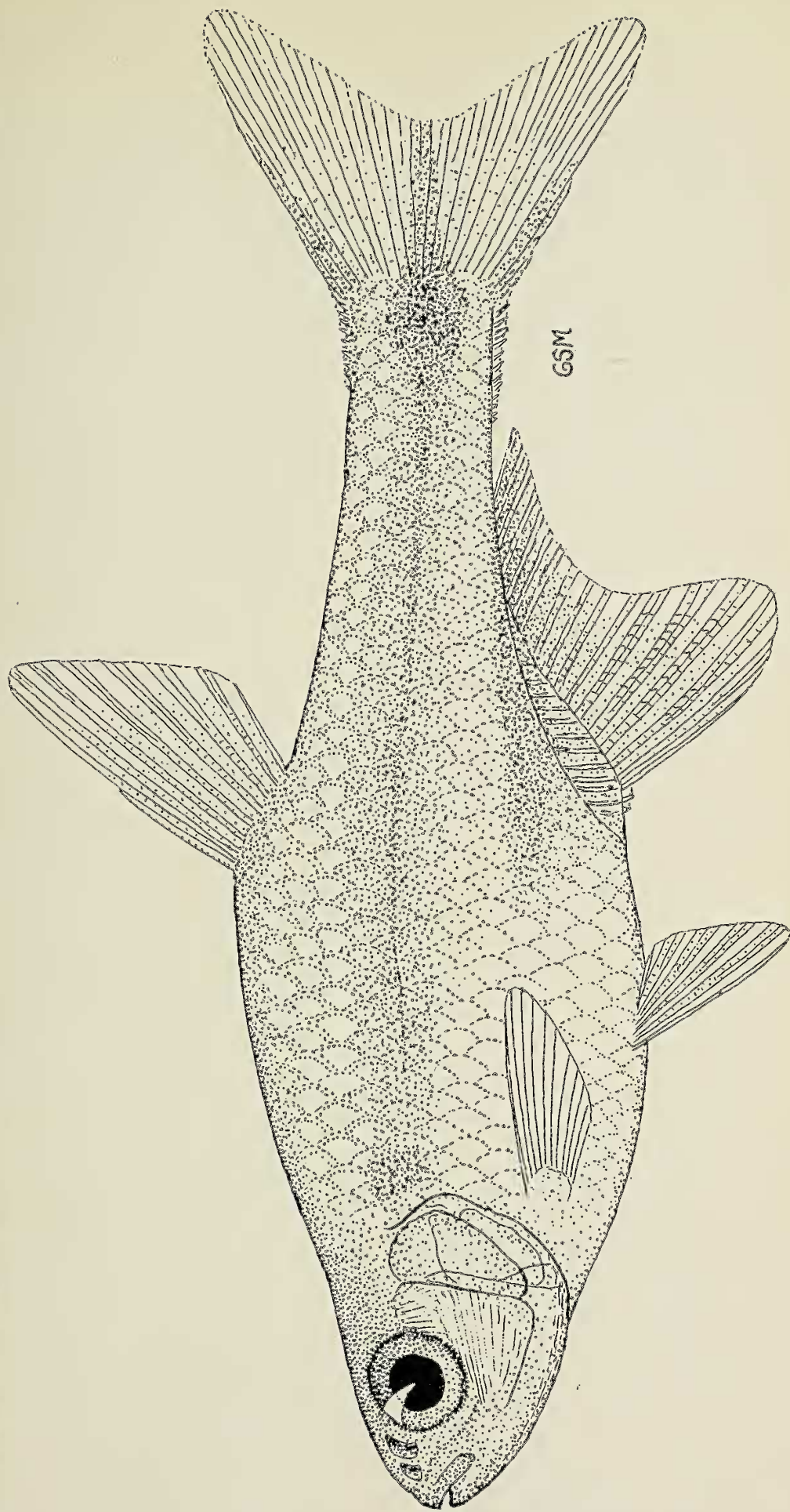
INDIANA UNIVERSITY,

June 4, 1925.

² Mem. Carnegie Mus., VII, 1915, p. 19.

³ Ann. Carnegie Mus., VIII, 1908, p. 150, pl. 1, fig. 3.

⁴ Ann. Mag. Nat. Hist. (7) XIX, 1907, p. 262.



Sphinterobolus broccæ Myers. sp. nov.

Holotype, C. M. Cat. Fishes, No. 7979a. Magnified three times.